

Patent  
Attorney Docket No. 20.2876  
(SCHL-0072)

IN THE SPECIFICATION

Please replace paragraph 0047 with the following replacement paragraph:

[0047] In accordance with one embodiment of the invention, the shallow electrode array 401 may be based on a feed back controlled spherically focused laterolog (SFL) device. The shallow electrode array 401 comprises current return electrodes  $A_1$  and  $[A''_1]$   $A'_1$ , monitor electrodes  $M_0$ , and  $[M''_0]$   $M'_0$ , and measurement electrode pairs  $M_1$ ,  $M_2$  and  $[M''_1]$   $M'_1$ ,  $[M''_2]$   $M'_2$ , all symmetrically disposed on both sides of a central current electrode  $A_0$  as shown in FIG. 2. In a preferred embodiment, all these electrodes are arranged on an insulated housing 40 that is disposed over the electronic module stack 403, which is also mass-isolated and insulated.